

Inventor: Montie H. Miner

Subject: Power Tool Drives



ABSTRACT OF THE DISCLOSURE

A power tool is provided with a yoke having first and second chambers each of which open into said bore; an annular toothed gear is rotatably disposed in said bore, each gear tooth being rounded at its outer extremity and each gap between adjacent teeth being rounded in such manner that the outwardly presented angle of each gap is greater than the inwardly presented angle of each tooth; one pawl comprising a cylindrical element and a wing is pivotally disposed in each chamber, each wing having a first pawl tooth sized for snug fitting disposition between adjacent gear teeth and a second pawl tooth which is sized and shaped for using an adjacent gear tooth to urge the first pawl tooth snugly into a gap on the gear as the first pawl is pivoted toward the gear; a biasing member in each chamber which urges the wing towards the gear, and a direction control which selectively allows only one of the two pawls to engage the gear as the yoke is moved with respect to the gear.